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ABSTRACT

Most people think that the artist and the scientist live in two totally different worlds. However, art and science are only two different ways of understanding and knowing the world. To help primary students make a connection between art and science, a collection of hands-on activities have been developed. By engaging in these activities that integrate art and science, students learn a variety of ways through which they can understand the world. They learn to bring creativity and insight to the discipline of science, and method and order to the discipline of art. The focus of these activities are the following three themes: structure (10 lessons on the "Ten-Questions" game, investigating creating with liquids and solids, investigating leaves through printmaking and flowers through drawing, exploring the properties of sand, and of rocks in mosaics, and exploring the structure of earthworms, snails, and fish); interactions (11 lessons on color combinations, watercolors, monoprints, baking a sculpture, splatter paintings, garbage sculptures, recycling posters, animal camouflage, animal adaptations, seed adaptation, and ecosystem murals); and energy (9 lessons on lines of expression, sources of light, classifying colors, light and shadow, hot and cold, using energy to melt ice cubes, painting the ocean currents, and investigating magnetism). Nine appendixes include management tips, tips for working with art and science materials, safety precautions, a glossary, and additional resources. (ZWH)

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